

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1504624

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (3000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504624
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (3000K_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

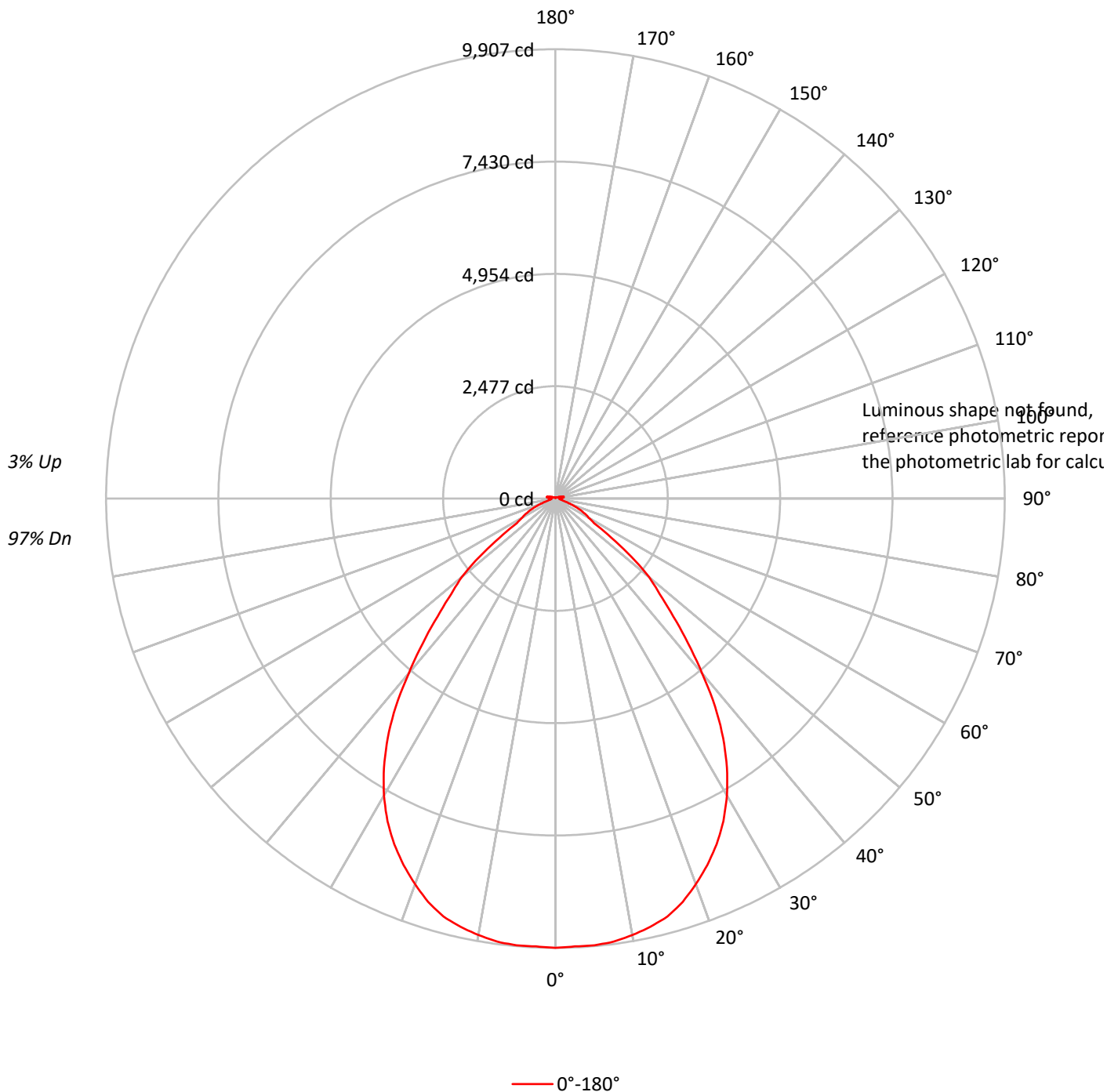
Lumens per Lamp: N/A
Luminaire Lumens: 17180.2 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 122.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



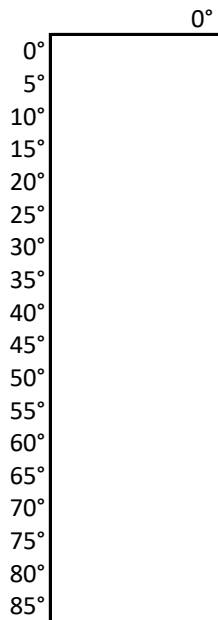
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20						20						20
RC	80					70						30						0
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10	0
RCR																		
0	118	118	118	118		115	115	115	115		109	109	109		104	104	104	97
1	111	107	104	101		108	105	102	99		100	98	96		96	94	92	87
2	103	97	92	88		101	95	90	86		91	87	84		88	84	82	77
3	96	88	82	77		94	86	80	76		83	78	74		80	76	73	69
4	90	80	73	68		87	79	72	67		76	70	66		73	69	65	62
5	84	73	66	60		82	72	65	60		70	64	59		68	62	58	56
6	78	67	60	54		76	66	59	54		64	58	53		62	57	53	50
7	73	62	54	49		71	61	54	49		59	53	48		58	52	48	46
8	69	57	50	45		67	56	49	44		55	49	44		53	48	44	42
9	65	53	46	41		63	52	45	41		51	45	40		50	44	40	38
10	61	49	42	38		60	49	42	37		47	41	37		46	41	37	35

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	940.3	5.5
10°-20°	2679.4	15.6
20°-30°	3854.3	22.4
30°-40°	3984.8	23.2
40°-50°	2875.5	16.7
50°-60°	1417.9	8.3
60°-70°	603.8	3.5
70°-80°	202.3	1.2
80°-90°	102.2	0.6
90°-100°	169.8	1.0
100°-110°	174.3	1.0
110°-120°	83.8	0.5
120°-130°	32.4	0.2
130°-140°	21.3	0.1
140°-150°	17.2	0.1
150°-160°	12.3	0.1
160°-170°	6.7	0.0
170°-180°	1.9	0.0
0°-30°	7474.0	43.5
0°-40°	11458.8	66.7
0°-60°	15752.2	91.7
0°-90°	16660.5	97.0
90°-120°	427.9	2.5
90°-150°	498.9	2.9
90°-180°	520.0	3.0
0°-180°	17180.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9907	
5°	9889	940
15°	9541	2679
25°	8408	3854
35°	6448	3985
45°	3676	2876
55°	1503	1418
65°	624	604
75°	170	202
85°	85	75
90°	104	59
95°	161	138
105°	168	174
115°	82	84
125°	34	32
135°	27	21
145°	27	17
155°	27	12
165°	24	7
175°	19	2
180°	20	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9906.8
2.5°	9885.5
5°	9888.8
7.5°	9855.1
10°	9772.0
12.5°	9674.3
15°	9540.6
17.5°	9328.2
20°	9049.6
22.5°	8746.3
25°	8408.1
27.5°	8020.5
30°	7561.0
32.5°	7038.6
35°	6447.6
37.5°	5787.0
40°	5030.9
42.5°	4326.5
45°	3676.0
47.5°	3116.5
50°	2694.1
52.5°	2116.6
55°	1503.2
57.5°	1006.6
60°	849.3
62.5°	737.0
65°	623.5
67.5°	486.5
70°	348.3
72.5°	235.9
75°	169.6
77.5°	134.8
80°	107.9
82.5°	92.1
85°	85.4
87.5°	91.0
90°	104.5
92.5°	130.3
95°	160.7
97.5°	184.3
100°	191.0
102.5°	184.3
105°	168.5
107.5°	147.2
110°	124.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	102.2
115°	82.0
117.5°	64.0
120°	50.6
122.5°	40.4
125°	33.7
127.5°	30.3
130°	28.1
132.5°	27.0
135°	27.0
137.5°	28.1
140°	28.1
142.5°	28.1
145°	27.0
147.5°	27.0
150°	27.0
152.5°	27.0
155°	27.0
157.5°	25.8
160°	25.8
162.5°	24.7
165°	23.6
167.5°	21.3
170°	20.2
172.5°	19.1
175°	19.1
177.5°	20.2
180°	20.2

(END OF REPORT)